

INTERNATIONAL SEARCH REPORT

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International application No.

PCT/SE 2005/000176

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B25J 9/16, B23K 11/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B25J, B23K, G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6356807 B1 (H.DEAN MCGEE ET AL), 12 March 2002 (12.03.2002), column 3, line 4 - line 21; column 5, line 49 - column 8, line 5 --	1-6,21-25
A	US 6201206 B1 (H.KITAMURA), 13 March 2001 (13.03.2001), abstract --	1-25
A	US 5457367 A (H.F.THORNE), 10 October 1995 (10.10.1995), column 2, line 13 - column 3, line 36 --	1-25
A	US 5929584 A (K.T.GUNNARSSON ET AL), 27 July 1999 (27.07.1999), abstract --	1-25

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents

'A' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier application or patent but published on or after the international filing date

'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

'O' document referring to an oral disclosure, use, exhibition or other means

'P' document published prior to the international filing date but later than the priority date claimed

'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

'Y' document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

'&' document member of the same patent family

Date of the actual completion of the international search 25 April 2005	Date of mailing of the international search report 16-05-2005
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86	Authorized officer Göran Magnusson /LR Telephone No. + 46 8 782 25 00

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2005/000176

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6531674 B2 (K. SUITA), 11 March 2003 (11.03.2003), abstract -- -----	1-25

INTERNATIONAL SEARCH REPORT
Information on patent family members

01/04/2005

International application No.
PCT/SE 2005/000176

US	6356807	B1	12/03/2002	NONE		
US	6201206	B1	13/03/2001	CN	1096912 B,C	25/12/2002
				CN	1251548 A,T	26/04/2000
				EP	1016490 A	05/07/2000
				JP	10216953 A	18/08/1998
				WO	9834753 A	13/08/1998
US	5457367	A	10/10/1995	CA	2117402 A	07/02/1995
				DE	4426523 A	09/02/1995
				JP	7148682 A	13/06/1995
				SE	516161 C	26/11/2001
				SE	9402610 A	07/02/1995
US	5929584	A	27/07/1999	NONE		
US	6531674	B2	11/03/2003	US	20010045413 A	29/11/2001
				DE	69919819 D	00/00/0000
				EP	1005943 A,B	07/06/2000
				JP	2000158147 A	13/06/2000
				US	6313427 B	06/11/2001